

Mechanical Data

Weight: 11.2 kg

Material: Sheet steel

Surface Treatment: RAL9016 powdercoat

Door: Lockable steel hinged door

Mains Cable Access

6 x 25.5mm/M25 knockout &

1 x 38.3mm/PGx knockout

Control Cable Access

1 x 25.5mm/M25 knockout

Terminal Sizes

Neutral: 2 x 25mm² & 13 x 16mm²

Earth: 2 x 25mm² & 13 x 16mm²

Climate Range

Temperature: +2°C to +50°C

Humidity: +5 to 95% non condensing

Ratings

Ingress Protection: IP20

Impact Resistance: IK07

In accordance with: IEC 62208:2011

Control Data

Control:

Via iLight network connection or DALI

Recommended Network Cable:

iCANnet™ Network Cable

Programming: Via Device Editor software

Electrical Data

Supply: 120 – 277V AC +/-10%, 50/60 Hz

Maximum Load: 100 Amp single phase @ 50°C

Maximum Channel Current: 10 Amp

Load Protection: 12 x 10A MCB

Control Protection: 2 x 6A MCB

Integral iLight Network Power Supply: 15V 1000mA

Terminal Sizes:

Neutral: 2 x 25mm² & 13 x 16mm²

Earth: 2 x 25mm² & 13 x 16mm²

Channel terminals: 2 x 10mm² per channel

iCANnet™ input/output screw terminals: 5 x 1mm²

DALI input screw terminals: 2 x 2.5mm²

Alarm input screw terminals: 3 x 2.5mm²

Installation: Installation must be carried out by a suitably qualified electrician.

Load Data

Load Types:

DALI (Broadcast)

DSI

0-10V

1-10V

Dimmed Outputs:

DALI (Broadcast), source, 100 mA per channel

DSI, source, 100 mA per channel

0-10V, source, 50 mA per channel

1-10V, sink, 50 mA per channel

Switched Outputs:

12 x 230v 10 Amp (inductive or resistive)

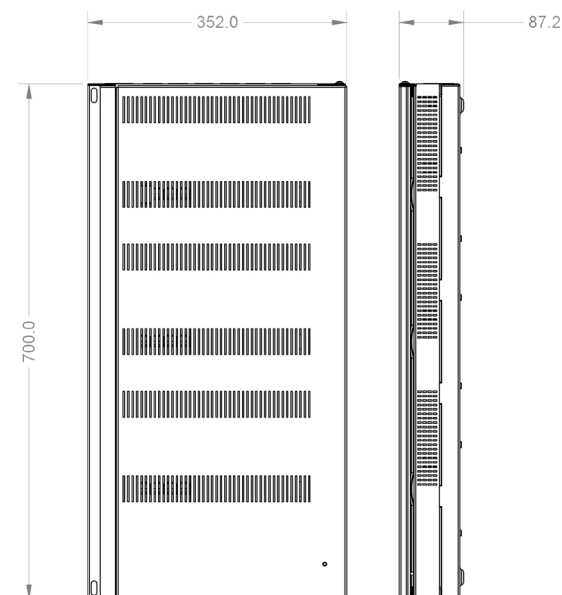
Installation Guide

EN3-SCMH1210

12 Channel x 10 Amp Digital Dimming & Switching Control Enclosure



Dimensions



Overview

This compact digital dimming and switching controller provides 12 switched power circuits with 12 channels of scene set dimming for Broadcast DALI, DSI or 1-10V control. Its 10 Amp power relays make it suitable for independent non-dimmable loads as well.

Typical applications include the bulk dimming of DALI or 1-10V connected luminaires where power switching is also required. This is particularly desirable in medium to larger spaces that need manageable and controlled light, such as open plan offices, auditoria circulation lobbies, or as part of a comprehensive network in large building complexes.

The knockouts to the top of the enclosure have been designed to line up with any of the original iLight source controllers making replacement quick and easy in a retrofit environment.

A dedicated knockout is provided for iCANnet™ connection to the EN3-SCMH1210 and several accessories are available to aid the installer in connection of the iCANnet network.

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E&OE. iLight reserve the right to make changes to the equipment without prior notice.

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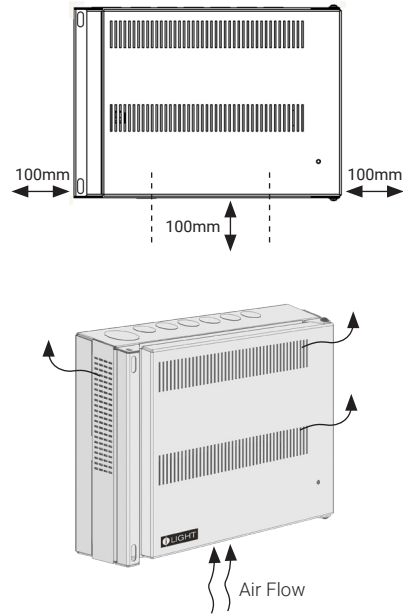
Location

Control cabinets must be located in a dry, well ventilated location where the ambient temperature is within the range of +2°C to 50°C (humidity of +5 to +95% non-condensing).

The EN Series are designed to be mounted vertically on a suitable surface, capable of supporting the weight of the populated assembly. It is important to orientate the unit correctly to allow for effective airflow for ventilation.

It is recommended to leave 100mm distance between the control cabinet and walls or other equipment underneath and either side of the unit.

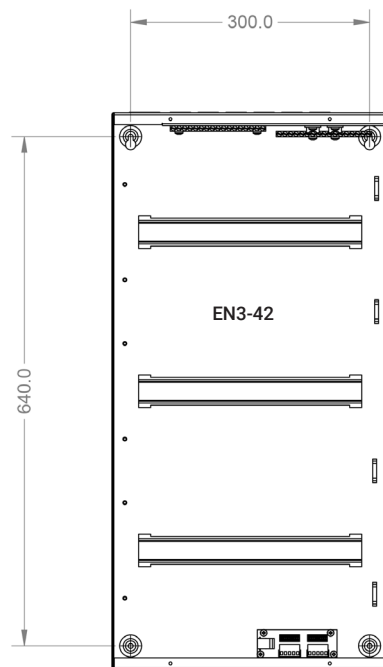
The EN series accommodate most common forms of cable management. Care should be taken not to obscure any ventilation grill on the enclosure.



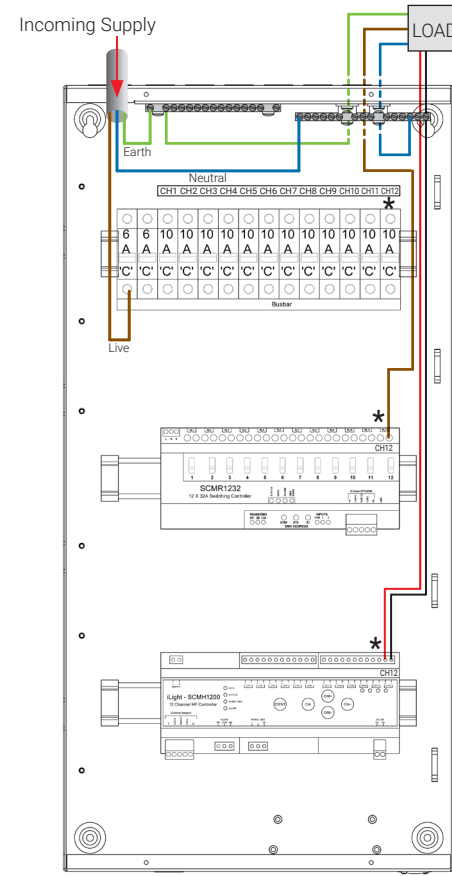
Mounting

Before mounting the cabinet to the wall, the cover will need to be removed. There are 4 screws behind the hinged door which, when unscrewed, allow the cover assembly to be removed.

In the rear section of each cabinet, there are 4 fixings holes, each accommodating up to 6mm diameter fixings. The top holes are 'key slot' design enabling the cabinets to first be hung and then secured onto place using the 2 lower fixings.



Supply and Control Wiring



***Note:** Ensure connected load is wired consistently. Switched channel (SCMR) and dimming control channel (SCMH) should correspond with the same MCB number.

Accessories

ENACC-LND-INT
iCANnet Landing Card



ENACC-PRG-INT
iCANnet Programming Port and RJ12 lead



The optional landing card provides connection of the iCANnet Network to the internal panel network. M4 Threaded posts are provided as standard to support the installation of this optional card.

The card can then be connected to the optional RJ12 programming port via an RJ12 lead to provide external connection to the network for programming and maintenance.

